("recursive query" and strategies) Published before December 1999 Terms used: recursive query strategies

Found 105 of 246,218

61 Compiling query constraints (extended abstract)

Peter J. Stuckey, S. Sudarshan

May 1994 PODS '94: Proceedings of the thirteenth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems

Publisher: ACM

Full text available: pdf(1.24 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 19, Citation Count: 7

We present a general technique to push query constraints (such as length≤1000) into database views and (constraint) logic programs. We introduce the notion of parametrized constraints, which help us push constraints with argument ...

62 SchemaSQL - A Language for Interoperability in Relational Multi-Database Systems

Laks V. S. Lakshmanan, Fereidoon Sadri, Iyer N. Subramanian
September 1996 VLDB '96: Proceedings of the 22th International Conference on Very Large Data Bases
Publisher: Morgan Kaufmann Publishers Inc.
Additional Information: full citation, references, cited by

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 43

63 A study of transitive closure as a recursion mechanism

H. V. Jagadish, Rakesh Agrawal, Linda Ness
December 1987 ACM SIGMOD Record, Volume 16 Issue 3
Publisher: ACM
Full text available: pdf(1.20 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 38, Citation Count: 28

We show that every linearly recursive query can be expressed as a transitive closure possibly preceded and followed by operations already available in relational algebra. This reduction is possible even if there are repeated variables in the recursive ...

64 A data structure for arc insertion and regular path finding

Adam L. Buchsbaum, Paris C. Kanellakis, Jeffrey S. Vitter
January 1990 SODA '90: Proceedings of the first annual ACM-SIAM symposium on Discrete algorithms
Publisher: Society for Industrial and Applied Mathematics
Full text available: pdf(1.01 MB) Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 16, Citation Count: 5

65 Types and persistence in database programming languages

Malcolm P. Atkinson, O. Peter Buneman
June 1987 ACM Computing Surveys (CSUR), Volume 19 Issue 2
Publisher: ACM
Full text available: pdf(7.91 MB) Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 195, Citation Count: 71

Traditionally, the interface between a programming language and a database has either been through a set of relatively low-level subroutine calls, or it has required some form of embedding of one language in another. Recently, the necessity of integrating ...

66 The CORAL deductive system

Raghu Ramakrishnan, Divesh Srivastava, S. Sudarshan, Praveen Seshadri
April 1994 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 3 Issue 2
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(3.03 MB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Citation Count: 11

CORAL is a deductive system that supports a rich declarative language, and an interface to C++, which allows for a combination of declarative and imperative programming. A CORAL declarative program can be organized as a collection of interacting modules. ...

Keywords: deductive database, logic programming system, query language

67 A generalized transitive closure for relational queries

Seppo Sippu, Eljas Soisalon-Soininen
March 1988 PODS '88: Proceedings of the seventh ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems
Publisher: ACM
Full text available: pdf(791.00 KB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 31, Citation Count: 4

We augment relational algebra with a generalized transitive closure operator that allows for the efficient evaluation of a subclass of recursive queries. The operator is based on a composition operator which is as general as possible when the operator ...

68 An amateur's introduction to recursive query processing strategies

Francois Bancilhon, Raghu Ramakrishnan
June 1986 SIGMOD '86: Proceedings of the 1986 ACM SIGMOD international conference on Management of data
Publisher: ACM
Full text available: pdf(3.48 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 137, Citation Count: 168

This paper surveys and compares various strategies for processing logic queries in relational databases. The survey and comparison is limited to the case of Horn Clauses with evaluable predicates but without function symbols. The paper is organized in ...

69 Implementing deductive databases by mixed integer programming

Colin Bell, Anil Nerode, Raymond T. Ng, V. S. Subrahmanian
June 1996 ACM Transactions on Database Systems (TODS), Volume 21 Issue 2
Publisher: ACM
Full text available: pdf(2.09 MB) Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 56, Citation Count: 4

Existing and past generations of Prolog compilers have left deduction to run-time and this may account for the poor run-time performance of existing Prolog systems. Our work tries to minimize run-time deduction by shifting the deductive process to compile-time. ...

Keywords: minimal models, negation and disjunction in deductive databases

70 Effective graph clustering for path queries in digital map databases

Yun-Wu Huang, Ning Jing, Elke A. Rundensteiner
November 1996 CIKM '96: Proceedings of the fifth international conference on Information and knowledge management
Publisher: ACM
Full text available: pdf(910.27 KB) Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 64, Citation Count: 9

71 A study of transitive closure as a recursion mechanism

H. V. Jagadish, Rakesh Agrawal, Linda Ness
December 1987 SIGMOD '87: Proceedings of the 1987 ACM SIGMOD international conference on Management of data
Publisher: ACM
Full text available: pdf(1.20 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 38, Citation Count: 28

We show that every linearly recursive query can be expressed as a transitive closure possibly preceded and followed by operations already available in relational algebra. This reduction is possible even if there are repeated variables in the recursive ...

72 Research directions in object-oriented database systems

Won Kim
April 1990 PODS '90: Proceedings of the ninth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems
Publisher: ACM
Full text available: pdf(2.92 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 188, Citation Count: 5

The set of object-oriented concepts found in object-oriented programming languages forms a good basis for a data model for post-relational database systems which will extend the domain of database applications beyond conventional business data processing. ...

73 On the first-order expressibility of recursive queries

S. S. Cosmadakis
March 1989 PODS '89: Proceedings of the eighth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems
Publisher: ACM
Full text available: pdf(1.28 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 21, Citation Count: 3

A Datalog program is bounded iff it is equivalent to a recursion-free Datalog program. We show that, for some classes of Datalog programs, expressibility in first-order query languages coincides with boundedness. Our results imply that ...

74 Evaluation of database recursive logic programs as recurrent function series

Georges Gardarin, Christophe de Maindreville
June 1986 ACM SIGMOD Record, Volume 15 Issue 2
Publisher: ACM

Full text available: pdf(882.17 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 18, Citation Count: 10

The authors introduce a new method to compile queries referencing recursively defined predicates. This method is based on an interpretation of the query and the relations as functions which map one column of a relation to another column. It is shown ...

75 Decidability and undecidability results for boundedness of linear recursive queries

Moshe Y. Vardi
March 1988 PODS '88: Proceedings of the seventh ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems
Publisher: ACM

Full text available: pdf(976.83 KB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 11, Citation Count: 23

If it is possible to eliminate recursion from a Datalog program P, then P is said to be bounded. It was shown by Gaifman et al that the problem of deciding whether a given Datalog program is bounded ...

76 Efficient tests for top-down termination of logical rules

Jeffrey D. Ullman, Allen Van Gelder
April 1988 Journal of the ACM (JACM), Volume 35 Issue 2
Publisher: ACM

Full text available: pdf(2.32 MB) Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 46, Citation Count: 20

Considered is the question of whether top-down (Prolog-like) evaluation of a set of logical rules can be guaranteed to terminate. The NAIL! system is designed to process programs consisting of logical rules and to select, for each fragment of the program, ...

77 An Extended Disjunctive Normal Form Approach for Optimizing Recursive Logic Queries in Loosely Coupled Environments

Kyu-Young Whang, Shamkant B. Navathe
September 1987 VLDB '87: Proceedings of the 13th International Conference on Very Large Data Bases
Publisher: Morgan Kaufmann Publishers Inc.
Additional Information: full citation, references, cited by

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 2

78 Optimization of Systems of Algebraic Equations for Evaluating Datalog Queries

Stefano Ceri, Letizia Tanca
September 1987 VLDB '87: Proceedings of the 13th International Conference on Very Large Data Bases
Publisher: Morgan Kaufmann Publishers Inc.
Additional Information: full citation, references, cited by

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 7

79 Attribute agreement

Y. C. Tay
March 1989 PODS '89: Proceedings of the eighth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems
Publisher: ACM
Full text available: pdf(683.13 KB) Additional Information: full citation, references, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 13, Citation Count: 0

80 An abstract machine for tabled execution of fixed-order stratified logic programs

Konstantinos Sagonas, Terrance Swift
May 1998 ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 20 Issue 3
Publisher: ACM
Full text available: pdf(602.36 KB) Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 31, Citation Count: 8

SLG resolution uses tabling to evaluate nonfloundering normal logic pr ograms according to the well-founded semantics. The SLG-WAM, which forms the engine of the XSB system, can compute in-memory recursive queries an order of magnitute faster ...

Keywords: SLG, WAM, memoing, prolog, stratification theories, tabling

Results 61 - 80 of 105 Result page: << previous 1 2 3 4 5 6 next >>

The ACM